

FIG. 1

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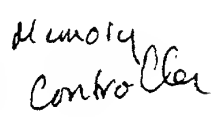
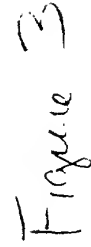


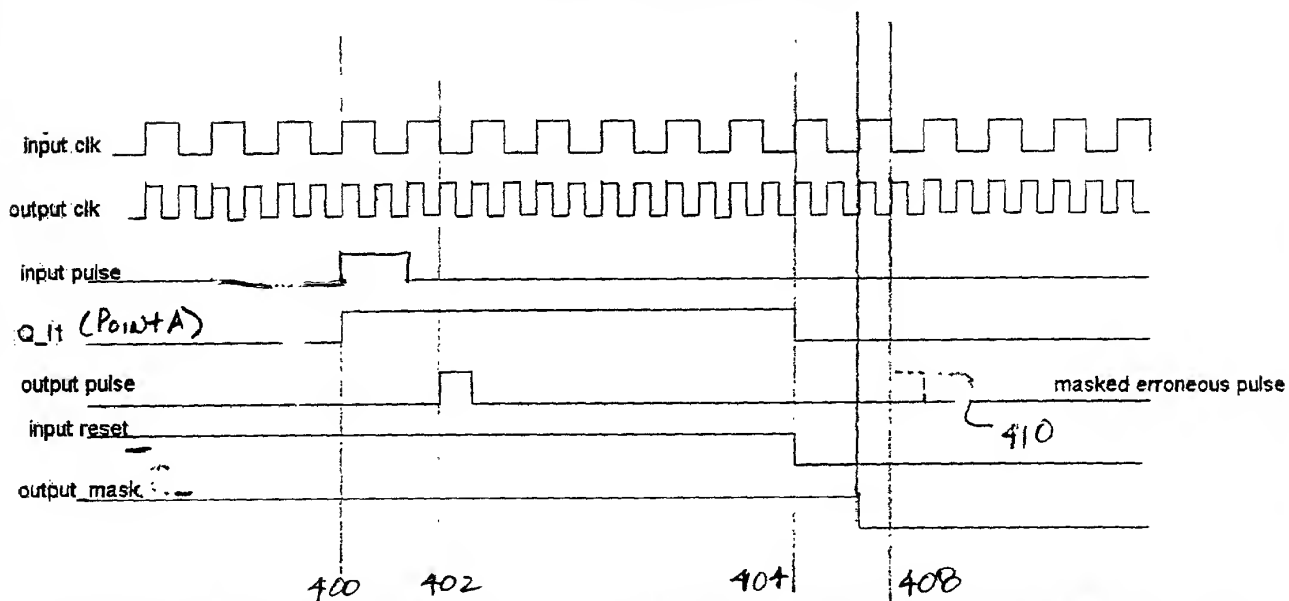
Figure 2

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The output mask is used in where support is needed for domain to be in reset while the domain is not. It prevents output\_pulses from occurring reset of hte input flip-

Universal Asynchronous Boundary Module - Case: Input Clock Domain Reset Asserted

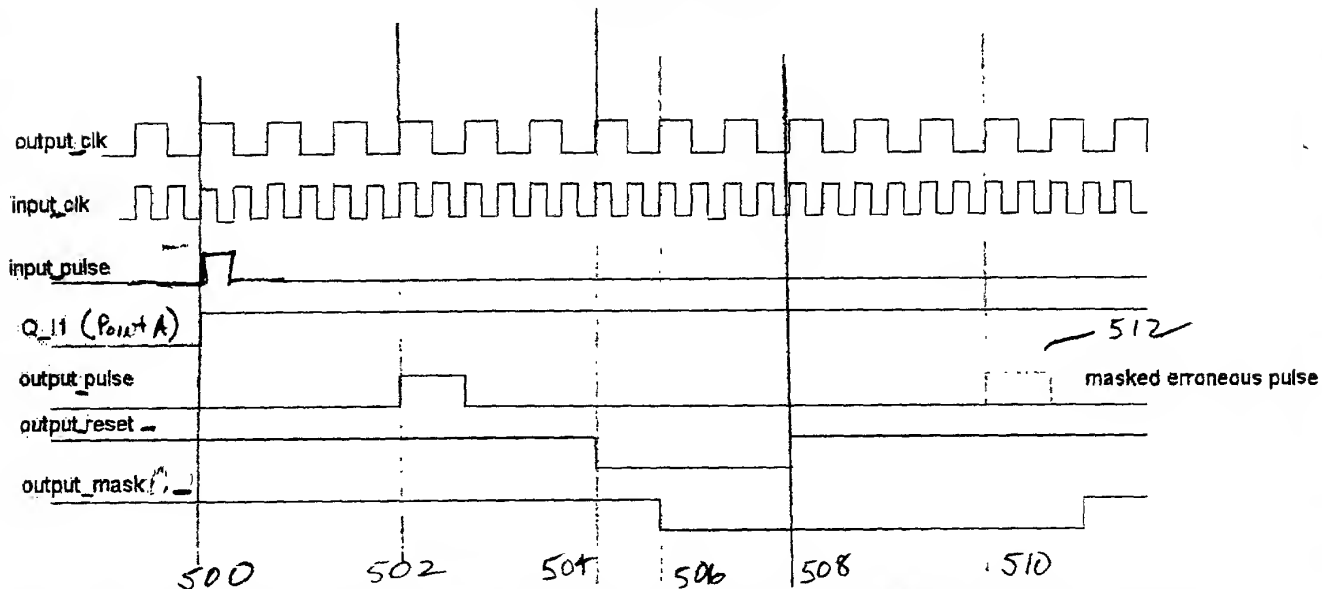


Note: Asserting the output mask prevents possible occurrence of erroneous pulse when input clock domain's reset (input reset) is asserted

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Figure 4

Universal Asynchronous Boundary Module - Case: Output Clock Domain  
Reset Asserted



Note: Asserting the output mask prevents possible occurrence of erroneous pulse when output clock domain's reset (output reset) is asserted

Figure 5

UABM Test #1

Paras Shah

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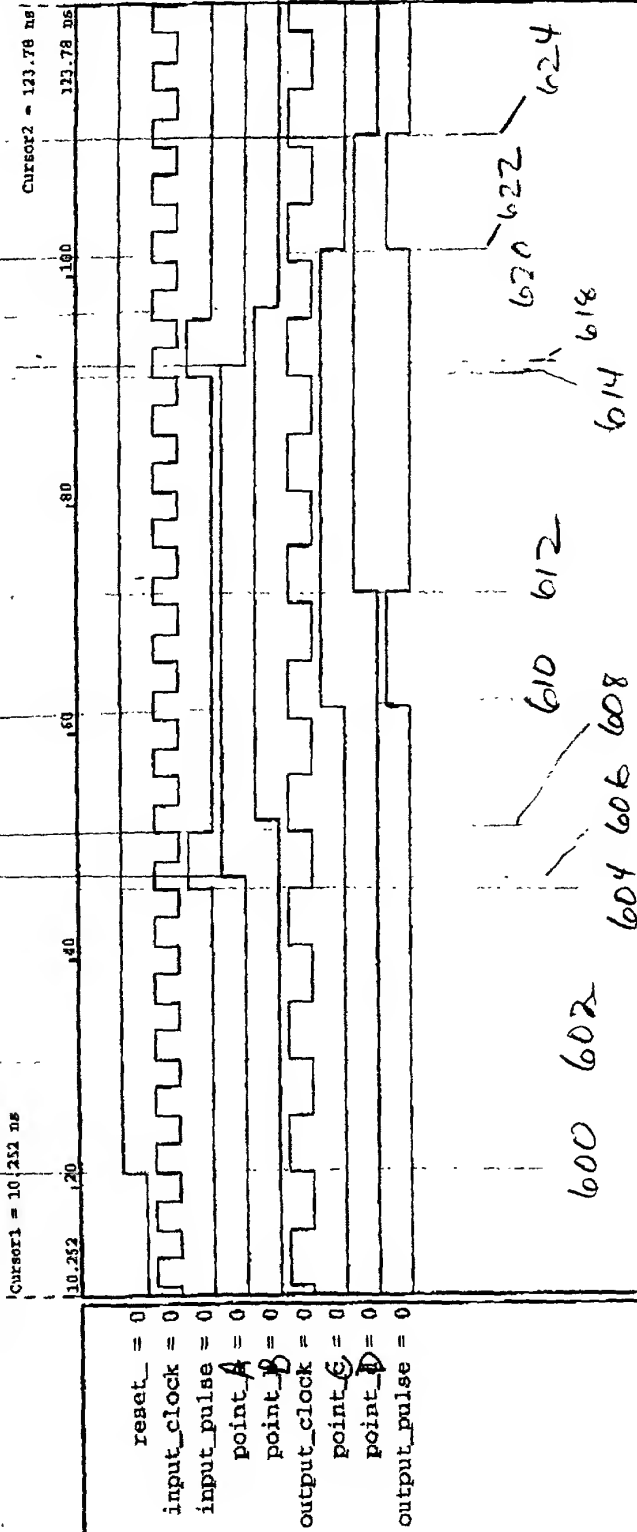


Figure 6

# UABM Test #2

Paras Shah

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FOOTNOTES

Cursor1 = 18.75 ns

Cursor2 = 223.359 ns

Group: Test  
 reset\_ = 0  
 input\_clock = 0  
 input\_pulse = 0  
 point\_A = 0  
 point\_B = 0  
 output\_clock = 0  
 point\_C = 0  
 point\_D = 0  
 output\_pulse = 0

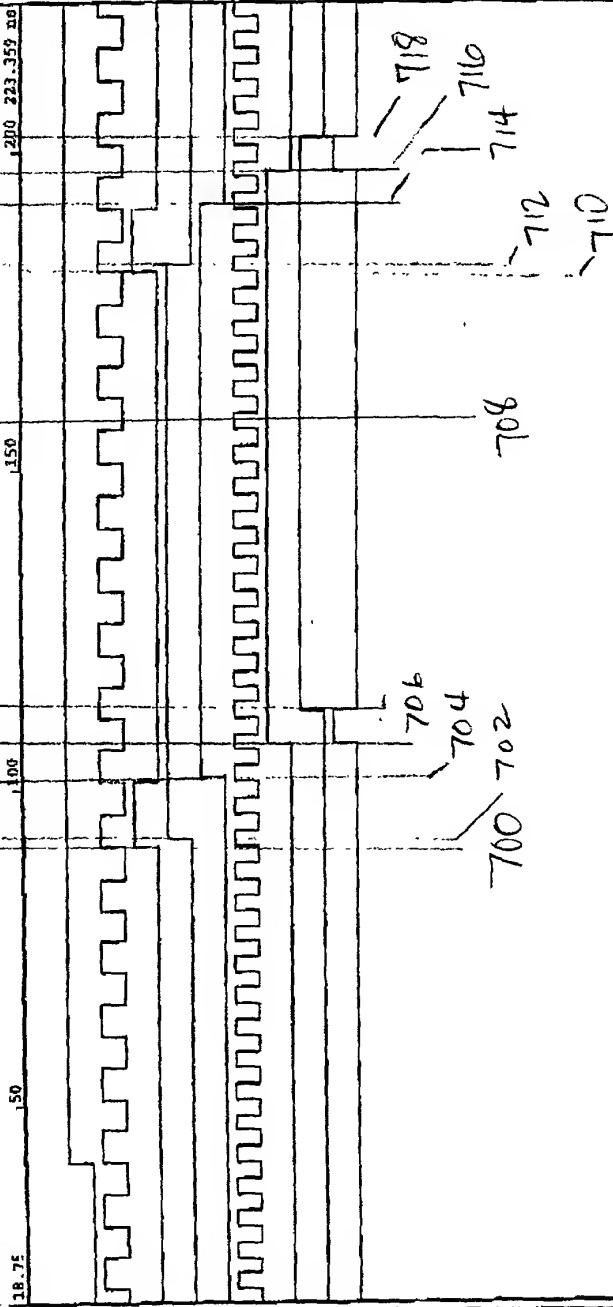


Figure 17

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Figure 8

